

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110922\
 Data File : BF131112.D
 Acq On : 10 Nov 2022 04:02
 Operator : CG\JU
 Sample : N5505-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-2-110722

Quant Time: Nov 10 04:37:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 04:15:17 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

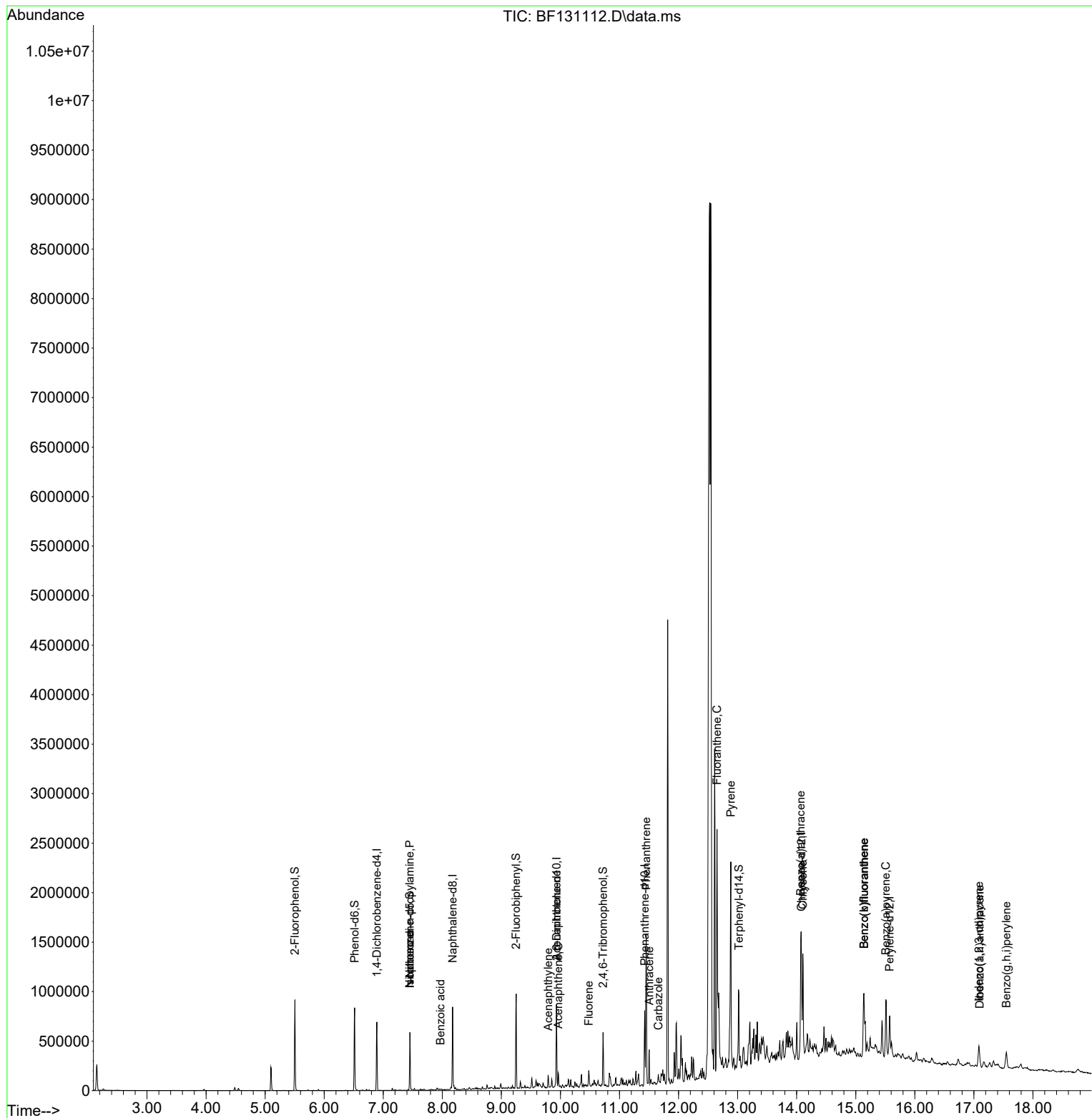
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	90645	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	319236	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	155744	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	254868	20.000	ng	0.00
76) Chrysene-d12	14.080	240	209615	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	158372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	208685	39.152	ng	0.00
7) Phenol-d6	6.516	99	239583	34.381	ng	0.00
23) Nitrobenzene-d5	7.451	82	154126	21.783	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	50351	31.282	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	271874	24.369	ng	0.00
79) Terphenyl-d14	13.021	244	264334	22.110	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	22029	4.815	ng	# 73
25) Isophorone	7.451	82	153261	14.009	ng	# 68
32) Benzoic acid	7.969	122	195	5.770	ng	# 26
49) Acenaphthylene	9.792	152	44563	2.985	ng	99
51) 2,6-Dinitrotoluene	9.933	165	21847	8.973	ng	# 15
52) Acenaphthene	9.963	154	27383	3.074	ng	96
58) Fluorene	10.480	166	38607	3.604	ng	97
71) Phenanthrene	11.451	178	520238	37.113	ng	99
72) Anthracene	11.504	178	130544	9.595	ng	98
73) Carbazole	11.657	167	28127	2.325	ng	98
75) Fluoranthene	12.651	202	881860	62.849	ng	100
78) Pyrene	12.886	202	856489	47.625	ng	99
81) Benzo(a)anthracene	14.068	228	461444	30.799	ng	97
83) Chrysene	14.104	228	402237	28.427	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	141478	13.904	ng	98
88) Benzo(b)fluoranthene	15.139	252	524119	46.809	ng	99
89) Benzo(k)fluoranthene	15.139	252	524119	48.700	ng	100
90) Benzo(a)pyrene	15.509	252	277204	30.880	ng	97
91) Dibenzo(a,h)anthracene	17.098	278	36735	7.058	ng	# 85
92) Benzo(g,h,i)perylene	17.551	276	135758	15.446	ng	99

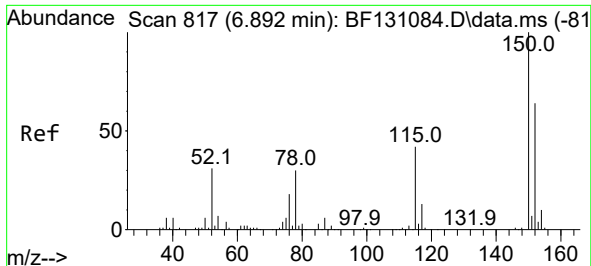
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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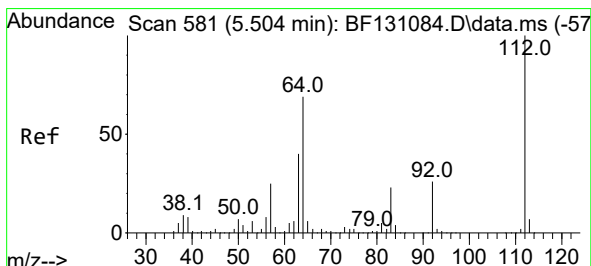
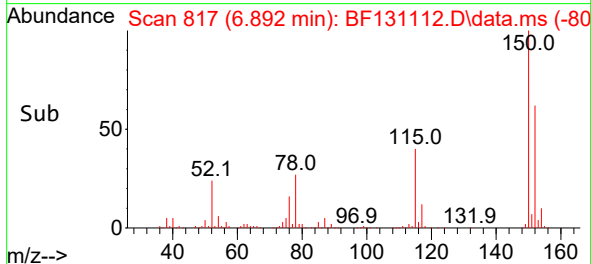
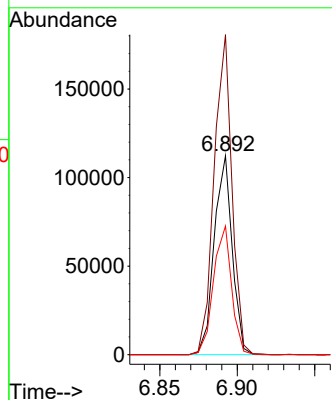
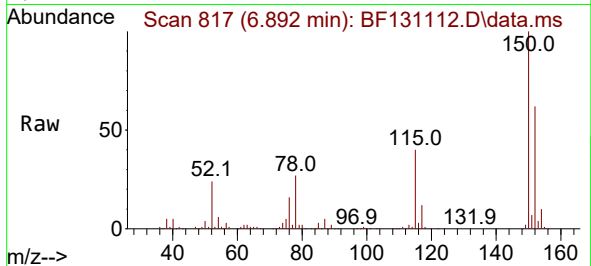




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 817
Delta R.T. 0.000 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

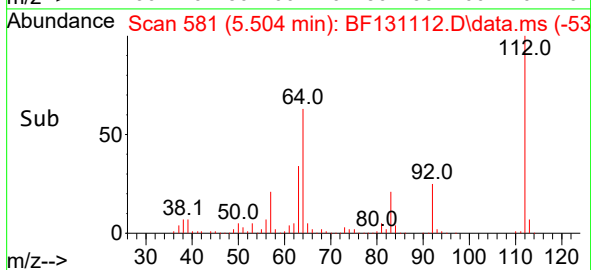
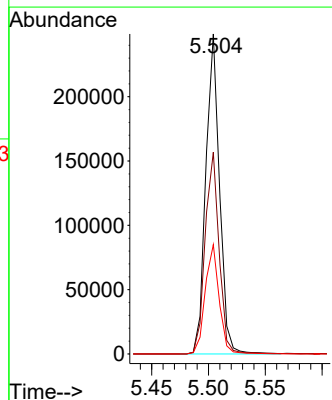
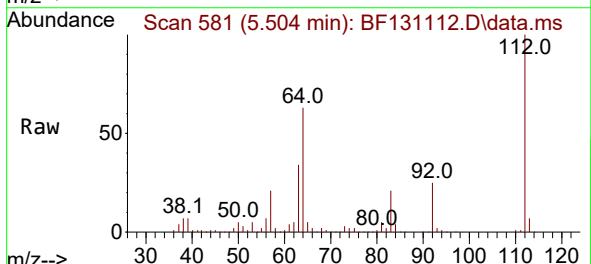
Instrument :
BNA_F
ClientSampleId :
HD-2-110722

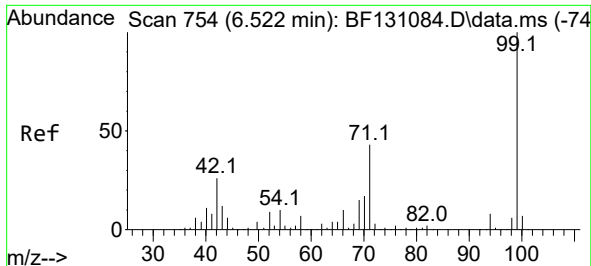
Tgt Ion:152 Resp: 90645
Ion Ratio Lower Upper
152 100
150 160.8 125.5 188.3
115 64.6 52.2 78.2



#5
2-Fluorophenol
Concen: 39.152 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.000 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Tgt Ion:112 Resp: 208685
Ion Ratio Lower Upper
112 100
64 63.1 55.1 82.7
63 34.2 32.4 48.6

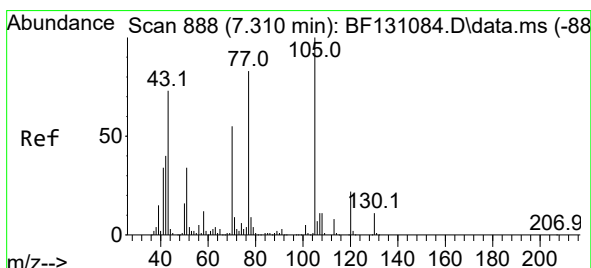
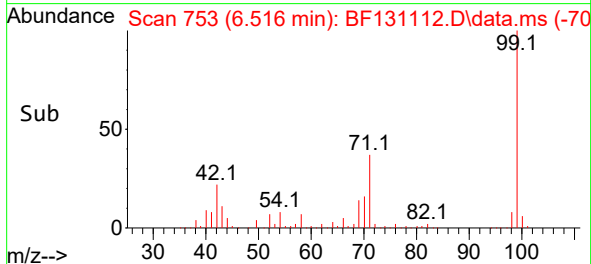
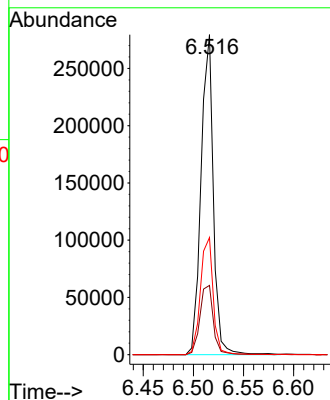
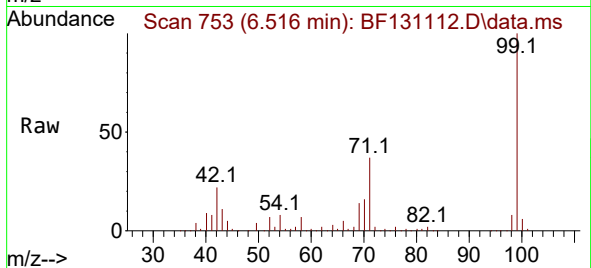




#7
Phenol-d6
Concen: 34.381 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

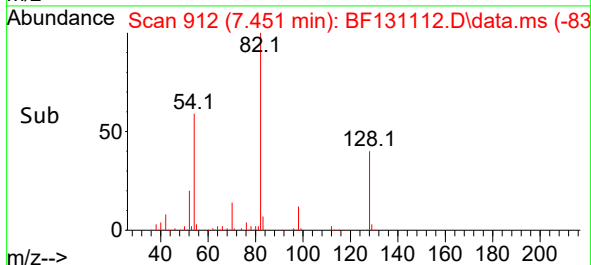
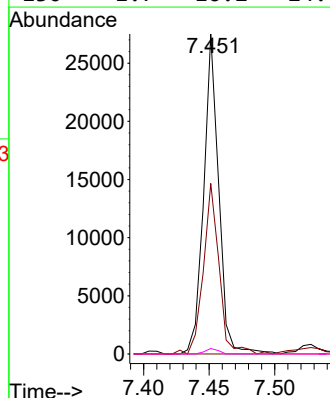
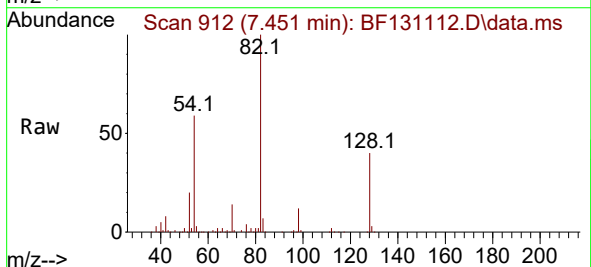
Instrument :
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ClientSampleId :
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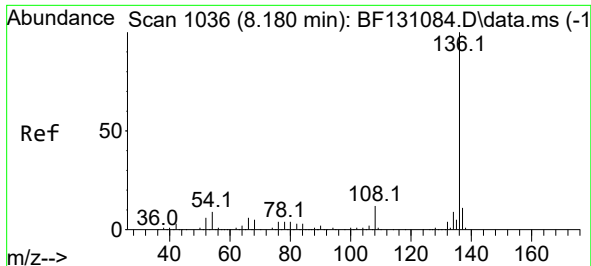
Tgt Ion: 99 Resp: 239583
Ion Ratio Lower Upper
99 100
42 21.7 20.8 31.2
71 36.6 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.815 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Tgt Ion: 70 Resp: 22029
Ion Ratio Lower Upper
70 100
42 53.3 58.3 87.5#
101 0.0 7.4 11.2#
130 1.7 16.2 24.4#



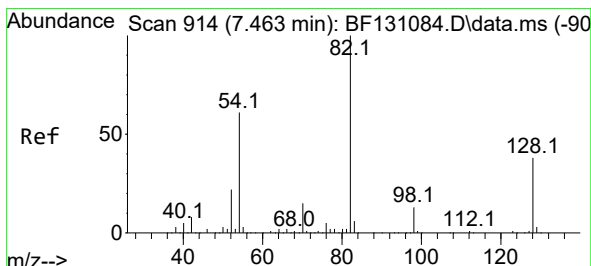
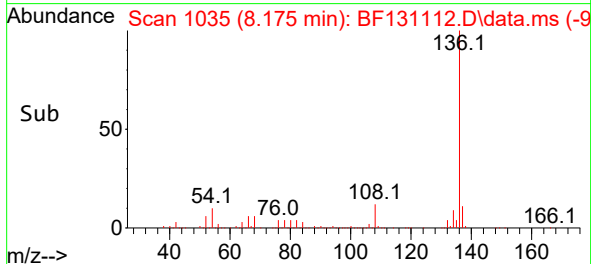
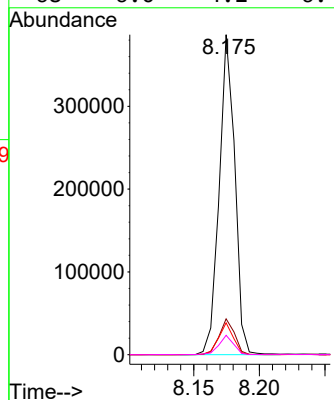
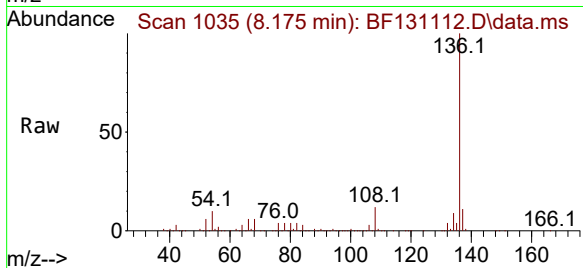


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.005 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Instrument :
BNA_F
ClientSampleId :
HD-2-110722

Tgt Ion:136 Resp: 319236

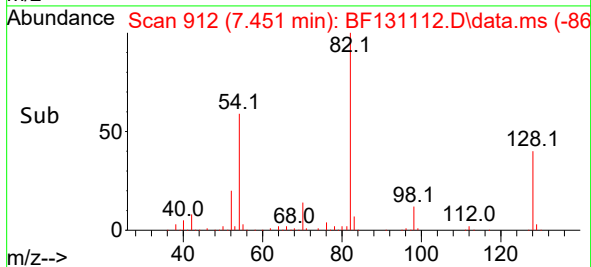
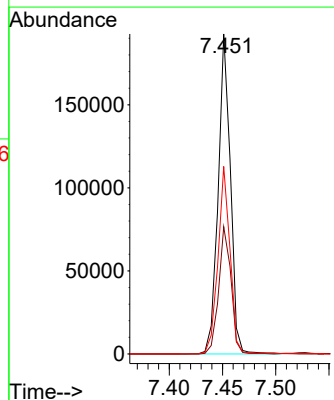
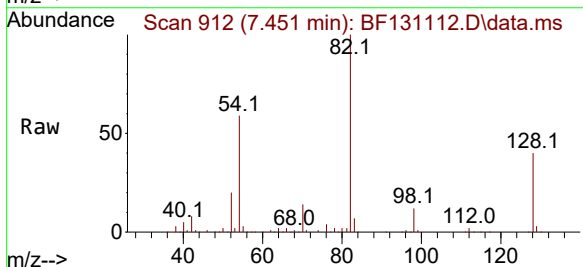
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	10.0	7.2	10.8
68	6.0	4.2	6.4

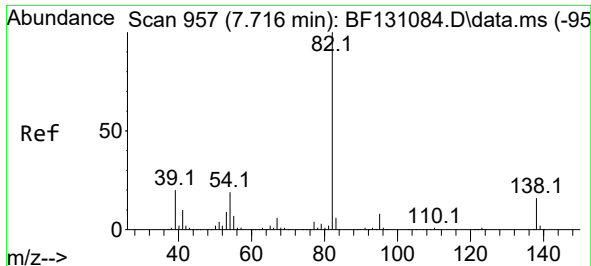


#23
Nitrobenzene-d5
Concen: 21.783 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Tgt Ion: 82 Resp: 154126

Ion	Ratio	Lower	Upper
82	100		
128	39.8	30.5	45.7
54	58.6	49.1	73.7

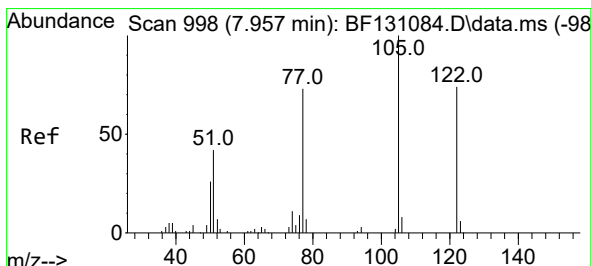
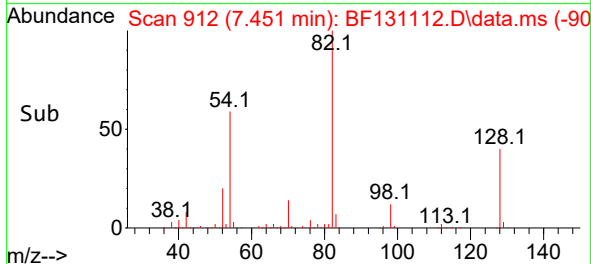
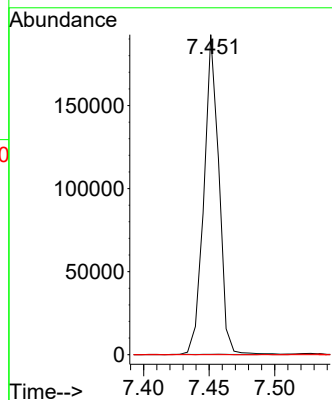
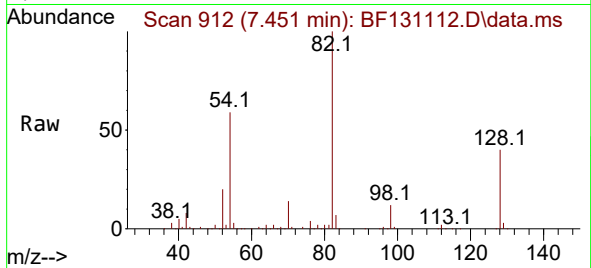




#25
Isophorone
Concen: 14.009 ng
RT: 7.451 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

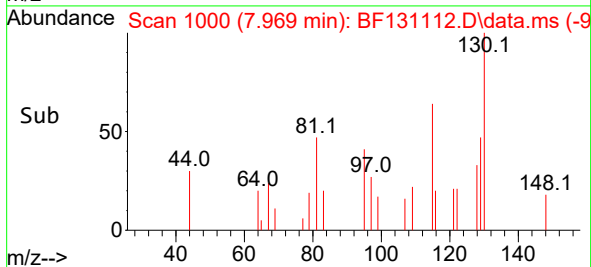
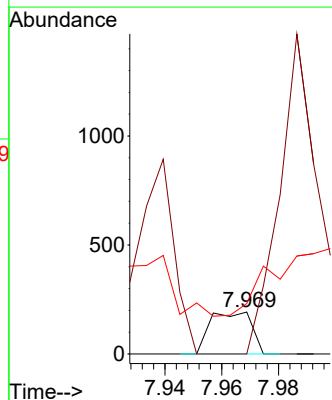
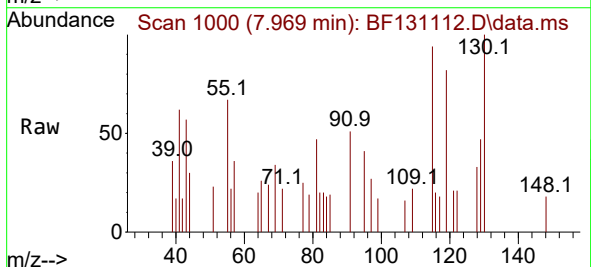
Instrument :
BNA_F
ClientSampleId :
HD-2-110722

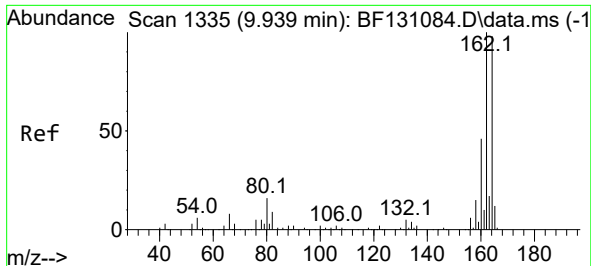
Tgt Ion: 82 Resp: 153261
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.2#
138 0.0 12.5 18.7#



#32
Benzoic acid
Concen: 5.770 ng
RT: 7.969 min Scan# 1000
Delta R.T. 0.012 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Tgt Ion: 122 Resp: 195
Ion Ratio Lower Upper
122 100
105 0.0 113.0 153.0#
77 120.3 78.7 118.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

Instrument :

BNA_F

ClientSampleId :

HD-2-110722

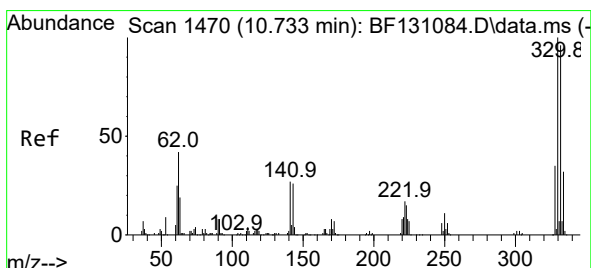
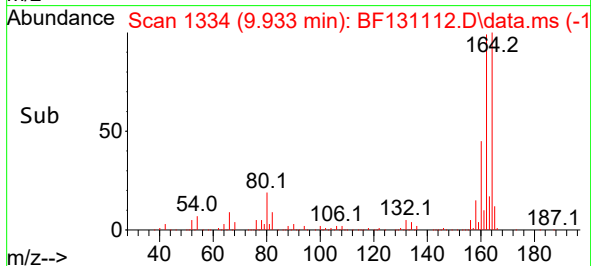
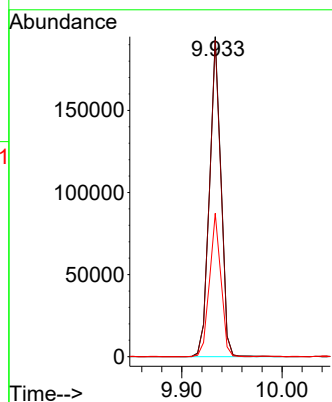
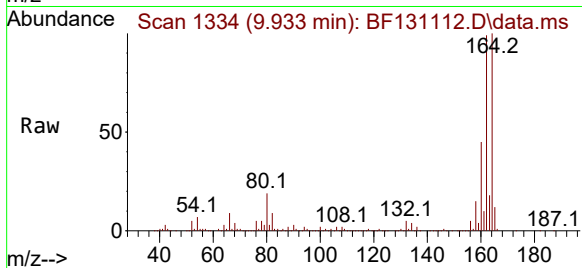
Tgt Ion:164 Resp: 155744

Ion Ratio Lower Upper

164 100

162 98.9 81.7 122.5

160 44.8 37.4 56.2



#42

2,4,6-Tribromophenol

Concen: 31.282 ng

RT: 10.722 min Scan# 1468

Delta R.T. -0.012 min

Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

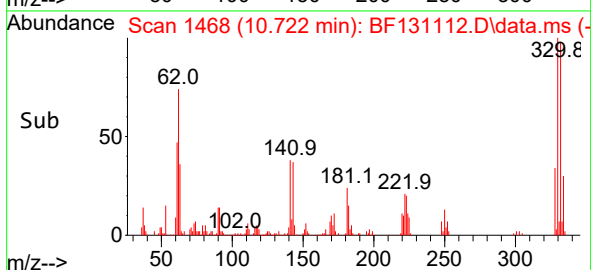
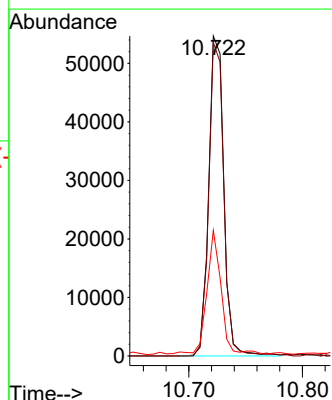
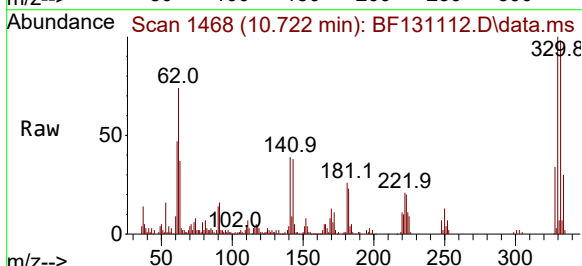
Tgt Ion:330 Resp: 50351

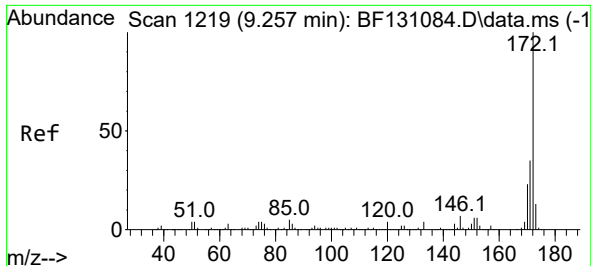
Ion Ratio Lower Upper

330 100

332 97.9 77.0 115.4

141 35.2 28.5 42.7





#45

2-Fluorobiphenyl

Concen: 24.369 ng

RT: 9.251 min Scan# 1310

Delta R.T. -0.006 min

Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

Instrument :

BNA_F

ClientSampleId :

HD-2-110722

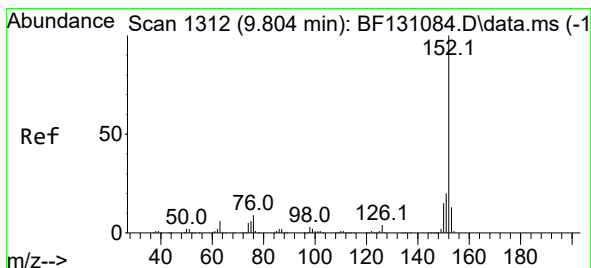
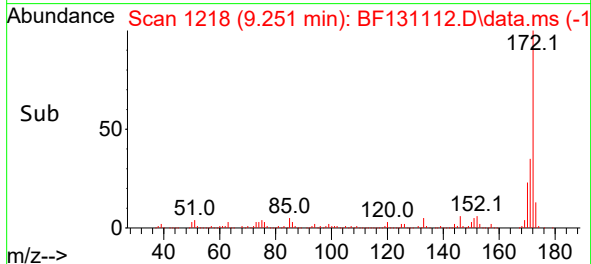
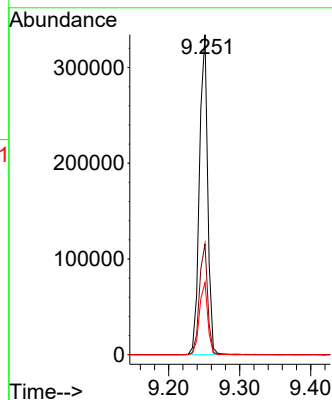
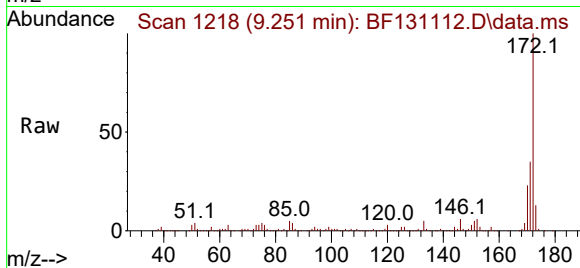
Tgt Ion:172 Resp: 271874

Ion Ratio Lower Upper

172 100

171 34.6 27.7 41.5

170 22.6 18.8 28.2



#49

Acenaphthylene

Concen: 2.985 ng

RT: 9.792 min Scan# 1310

Delta R.T. -0.012 min

Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

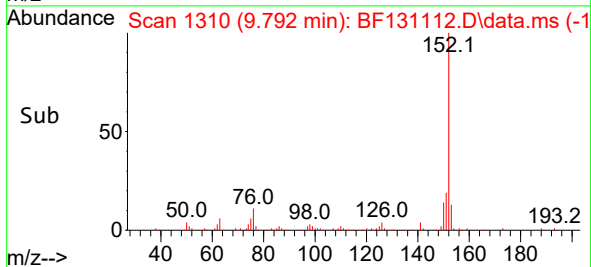
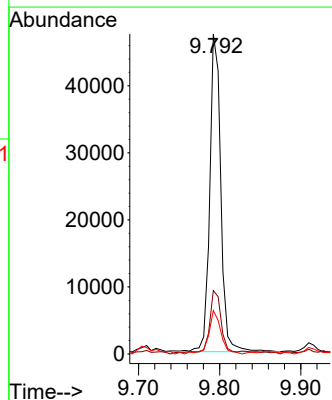
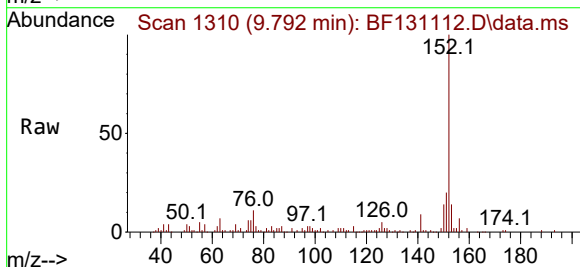
Tgt Ion:152 Resp: 44563

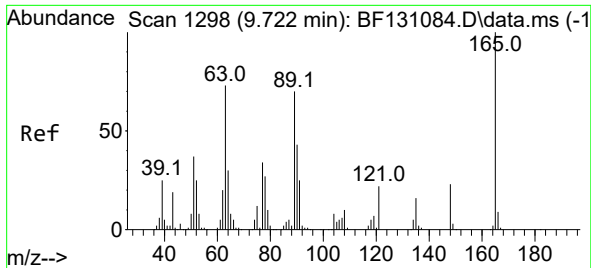
Ion Ratio Lower Upper

152 100

151 19.8 16.0 24.0

153 13.6 10.2 15.4

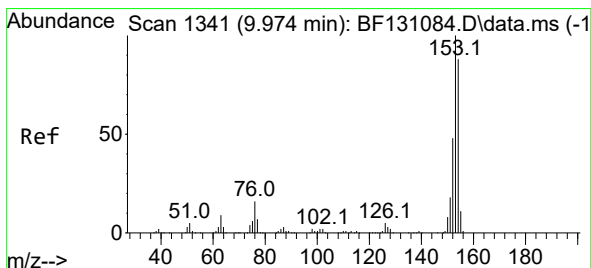
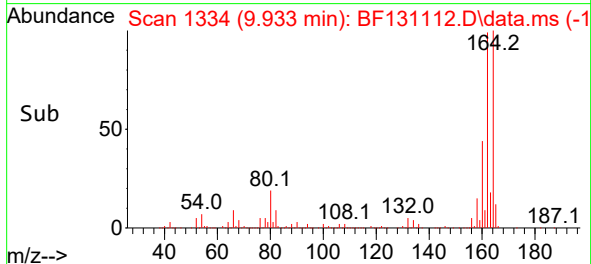
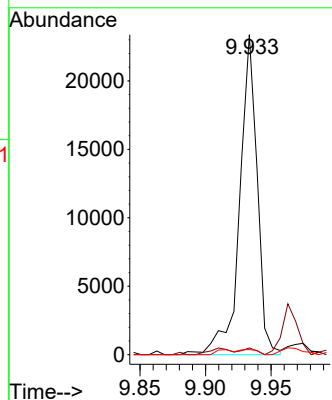
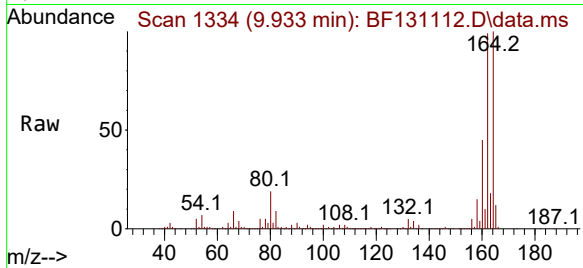




#51
2,6-Dinitrotoluene
Concen: 8.973 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.212 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

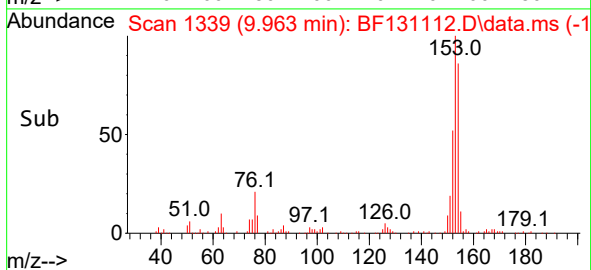
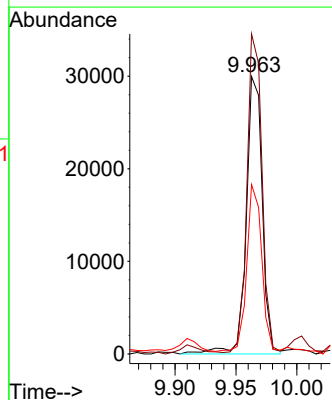
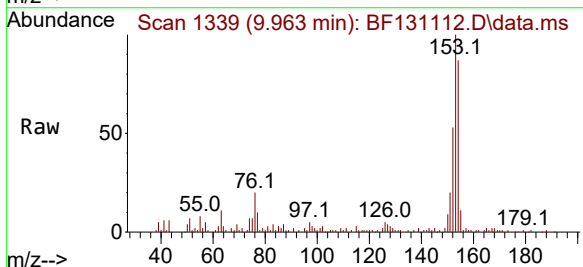
Instrument :
BNA_F
ClientSampleId :
HD-2-110722

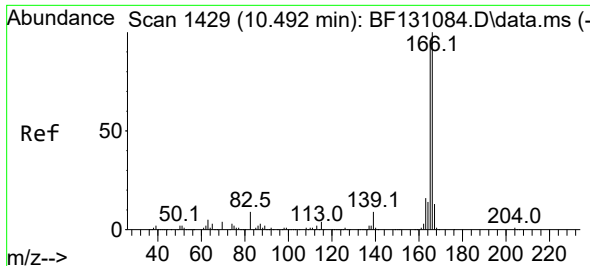
Tgt Ion:165 Resp: 21847
Ion Ratio Lower Upper
165 100
63 2.1 61.4 92.2#
89 1.6 56.0 84.0#



#52
Acenaphthene
Concen: 3.074 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.012 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Tgt Ion:154 Resp: 27383
Ion Ratio Lower Upper
154 100
153 115.4 90.8 136.2
152 61.1 43.4 65.2

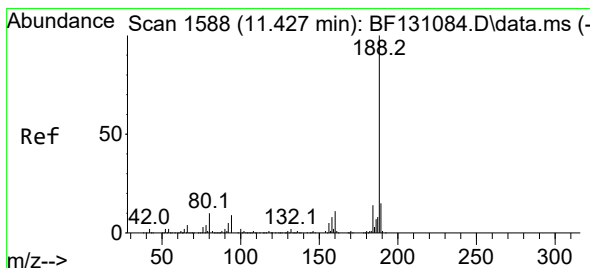
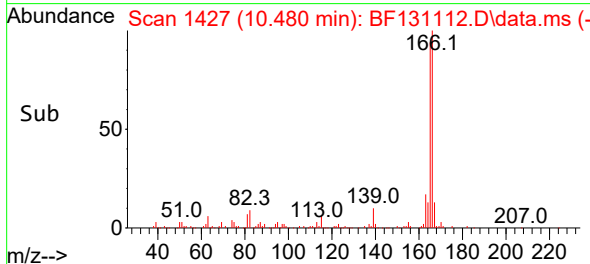
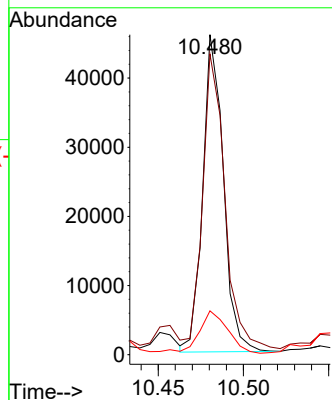
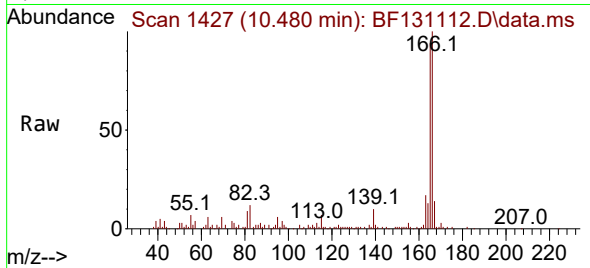




#58
 Fluorene
 Concen: 3.604 ng
 RT: 10.480 min Scan# 1429
 Delta R.T. -0.012 min
 Lab File: BF131112.D
 Acq: 10 Nov 2022 04:02

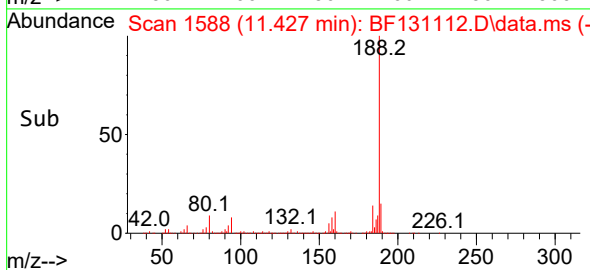
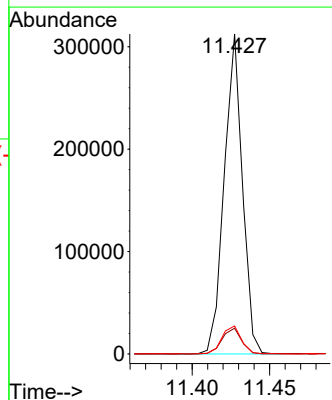
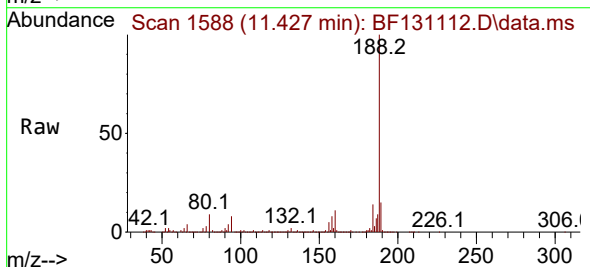
Instrument :
 BNA_F
 ClientSampleId :
 HD-2-110722

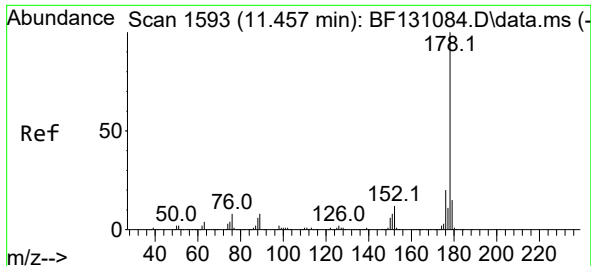
Tgt Ion:166 Resp: 38607
 Ion Ratio Lower Upper
 166 100
 165 94.0 77.2 115.8
 167 13.7 10.2 15.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.427 min Scan# 1588
 Delta R.T. 0.000 min
 Lab File: BF131112.D
 Acq: 10 Nov 2022 04:02

Tgt Ion:188 Resp: 254868
 Ion Ratio Lower Upper
 188 100
 94 8.1 7.0 10.6
 80 8.8 7.9 11.9

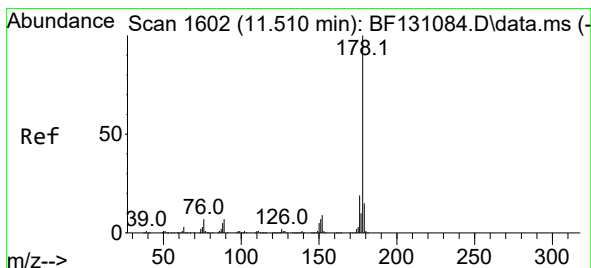
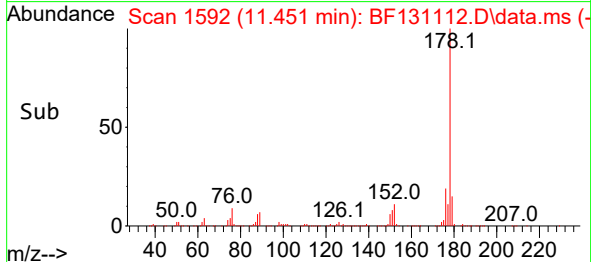
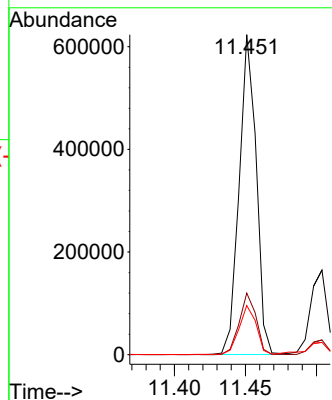
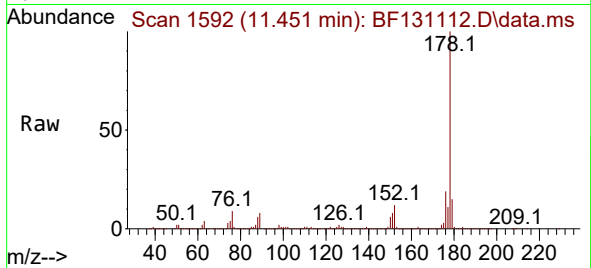




#71
Phenanthrene
Concen: 37.113 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

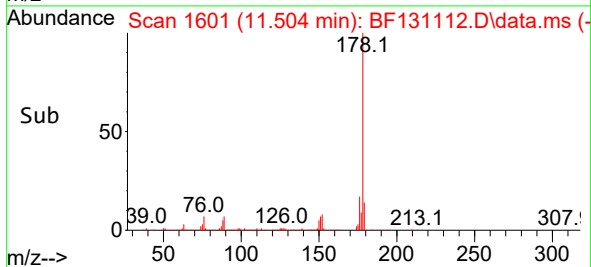
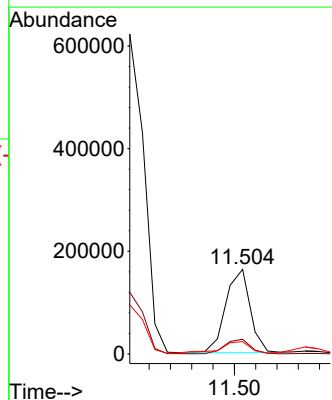
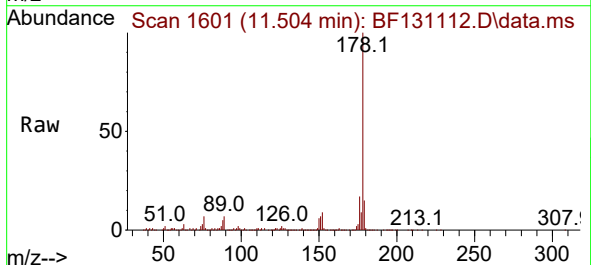
Instrument :
BNA_F
ClientSampleId :
HD-2-110722

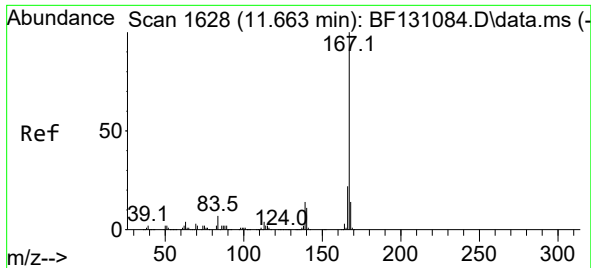
Tgt Ion:178 Resp: 520238
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.4 12.2 18.2



#72
Anthracene
Concen: 9.595 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Tgt Ion:178 Resp: 130544
Ion Ratio Lower Upper
178 100
176 17.3 15.0 22.6
179 14.6 11.8 17.8

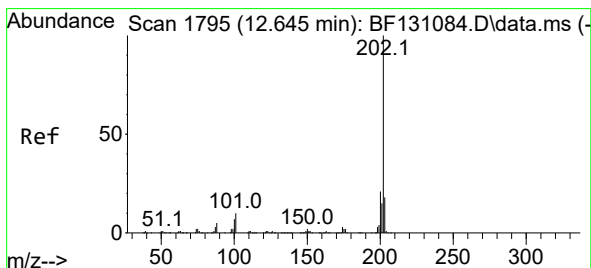
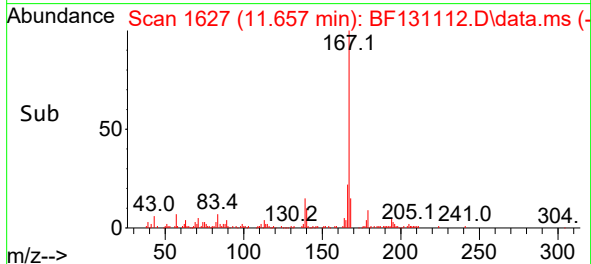
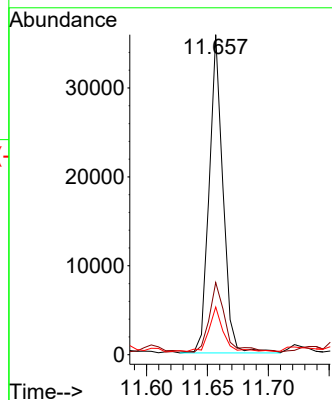
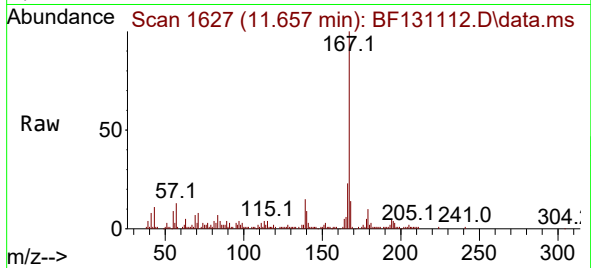




#73
 Carbazole
 Concen: 2.325 ng
 RT: 11.657 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF131112.D
 Acq: 10 Nov 2022 04:02

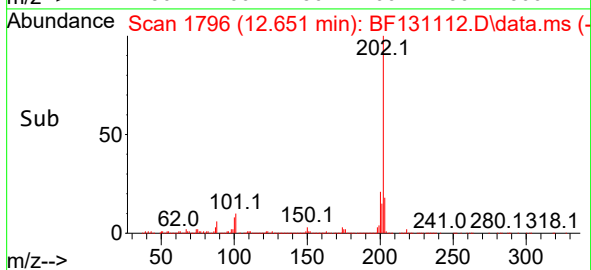
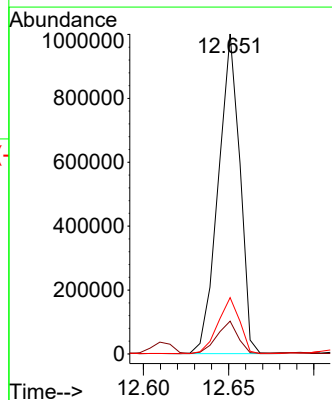
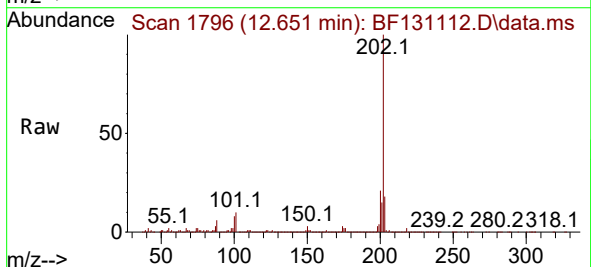
Instrument :
 BNA_F
 ClientSampleId :
 HD-2-110722

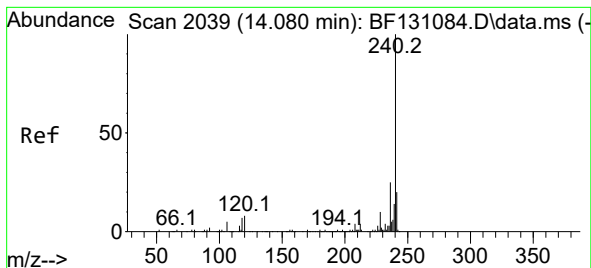
Tgt Ion:167 Resp: 28127
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.6 26.4
 139 14.9 10.8 16.2



#75
 Fluoranthene
 Concen: 62.849 ng
 RT: 12.651 min Scan# 1796
 Delta R.T. 0.006 min
 Lab File: BF131112.D
 Acq: 10 Nov 2022 04:02

Tgt Ion:202 Resp: 881860
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 30.0
 203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2039

Delta R.T. 0.000 min

Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

Instrument :

BNA_F

ClientSampleId :

HD-2-110722

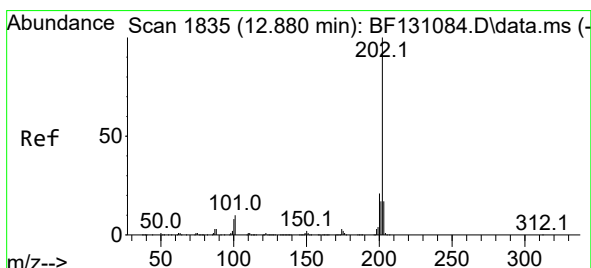
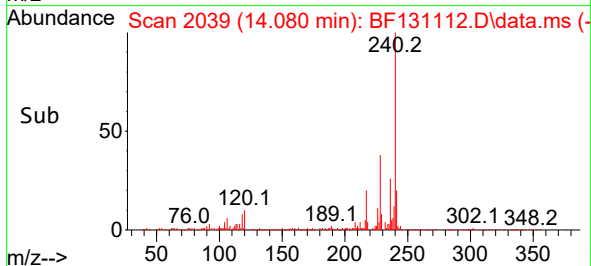
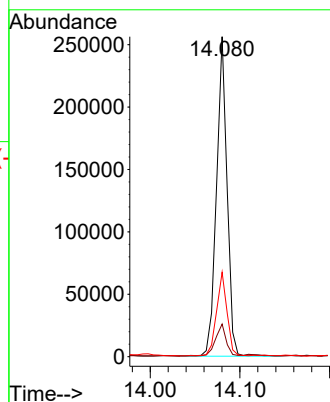
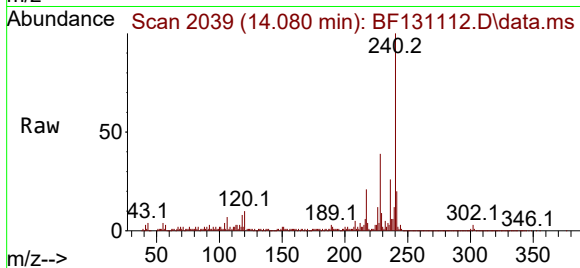
Tgt Ion:240 Resp: 209615

Ion Ratio Lower Upper

240 100

120 10.2 6.5 9.7#

236 26.4 19.7 29.5



#78

Pyrene

Concen: 47.625 ng

RT: 12.886 min Scan# 1836

Delta R.T. 0.006 min

Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

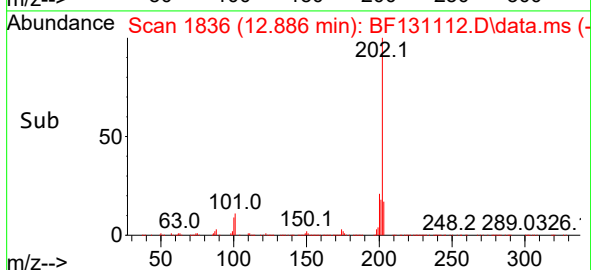
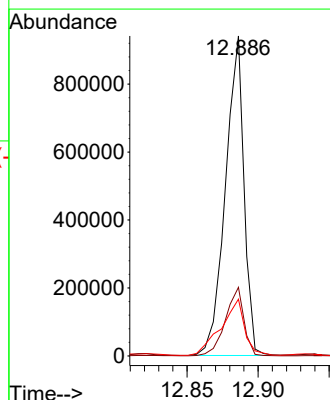
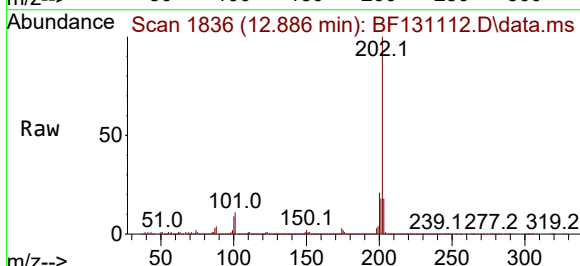
Tgt Ion:202 Resp: 856489

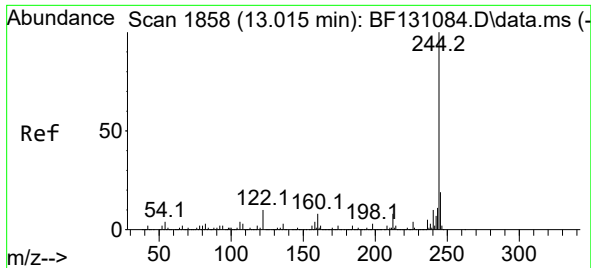
Ion Ratio Lower Upper

202 100

200 21.5 16.8 25.2

203 17.8 13.6 20.4

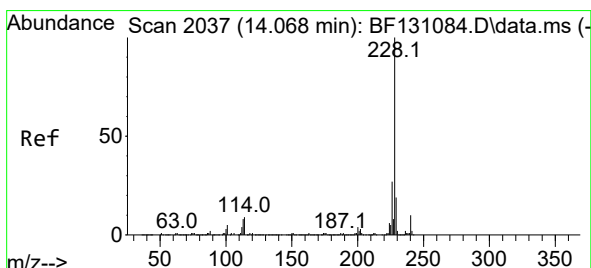
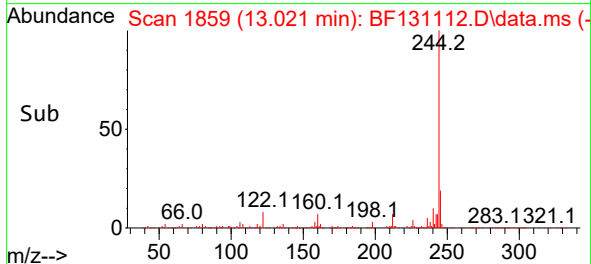
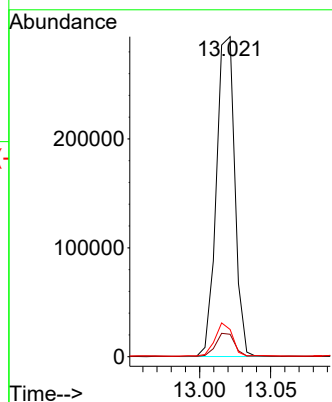
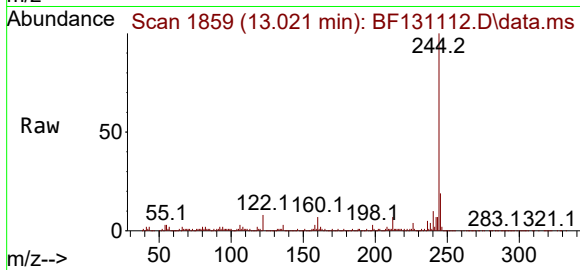




#79
 Terphenyl-d14
 Concen: 22.110 ng
 RT: 13.021 min Scan# 1859
 Delta R.T. 0.006 min
 Lab File: BF131112.D
 Acq: 10 Nov 2022 04:02

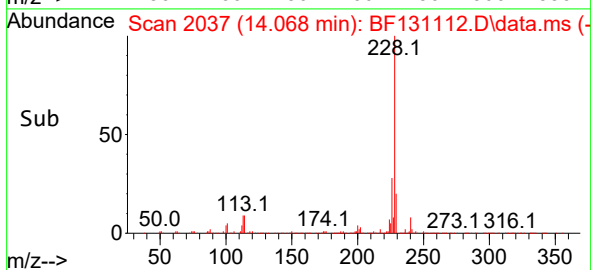
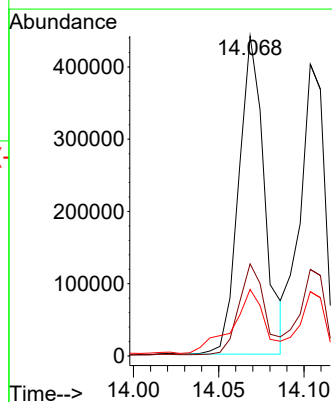
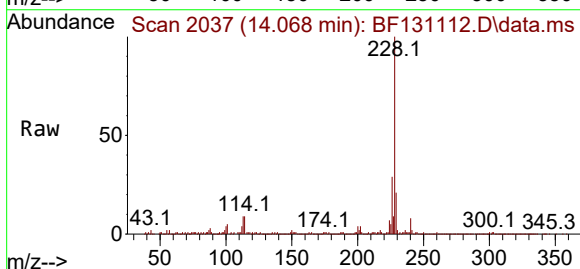
Instrument :
 BNA_F
 ClientSampleId :
 HD-2-110722

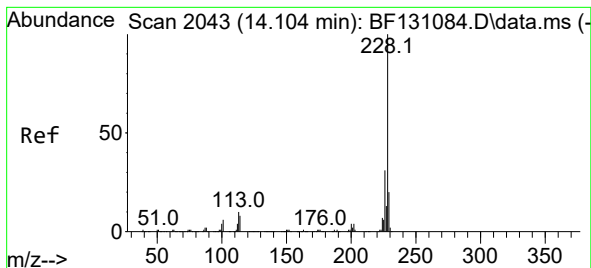
Tgt Ion:244 Resp: 264334
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.2 9.2
 122 8.5 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 30.799 ng
 RT: 14.068 min Scan# 2037
 Delta R.T. 0.000 min
 Lab File: BF131112.D
 Acq: 10 Nov 2022 04:02

Tgt Ion:228 Resp: 461444
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.8 32.6
 229 20.8 15.4 23.2





#83

Chrysene

Concen: 28.427 ng

RT: 14.104 min Scan# 2043

Delta R.T. -0.000 min

Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

Instrument :

BNA_F

ClientSampleId :

HD-2-110722

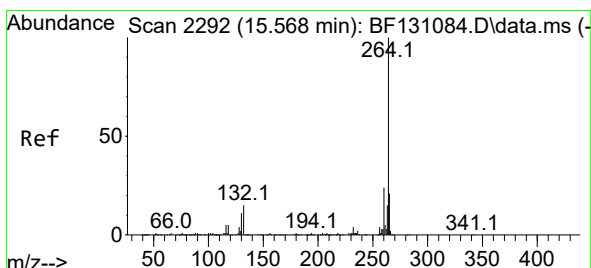
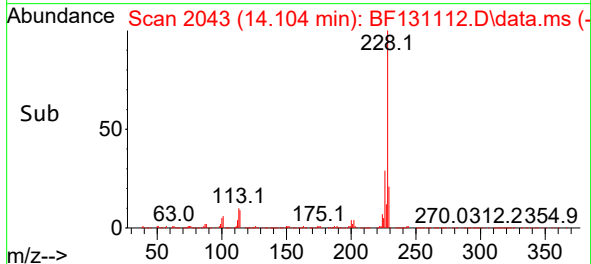
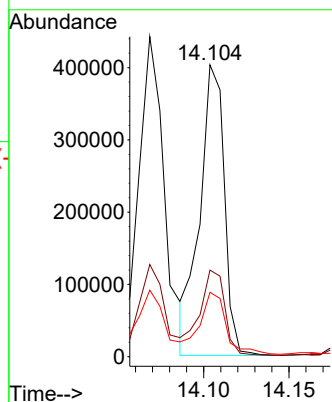
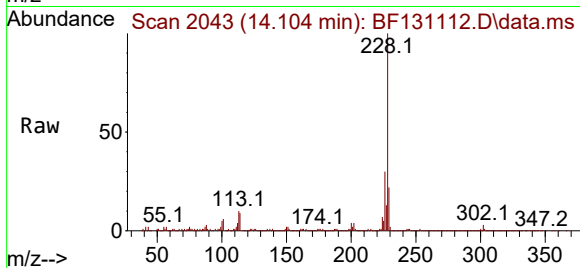
Tgt Ion:228 Resp: 402237

Ion Ratio Lower Upper

228 100

226 29.6 24.4 36.6

229 22.0 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 2293

Delta R.T. 0.006 min

Lab File: BF131112.D

Acq: 10 Nov 2022 04:02

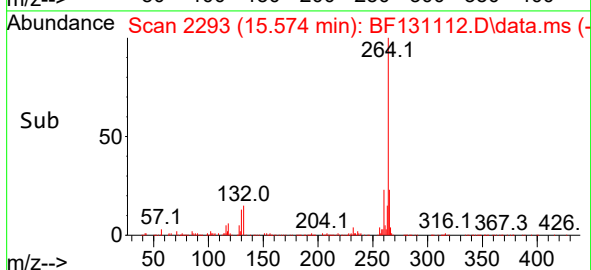
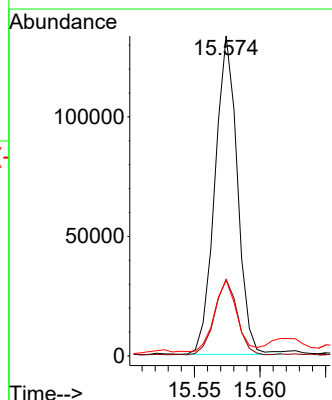
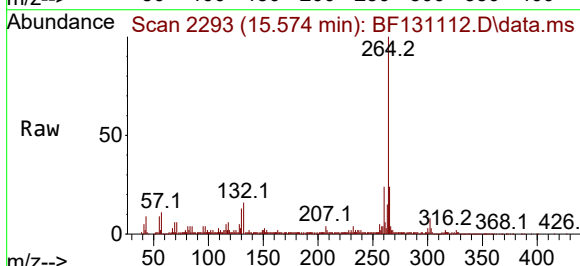
Tgt Ion:264 Resp: 158372

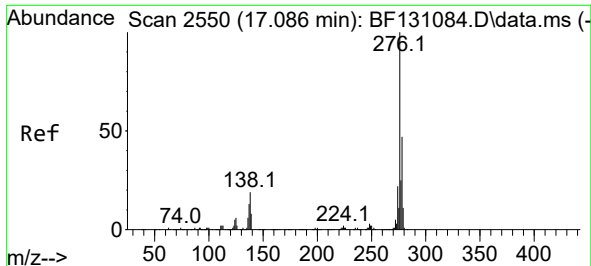
Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

265 23.7 16.7 25.1

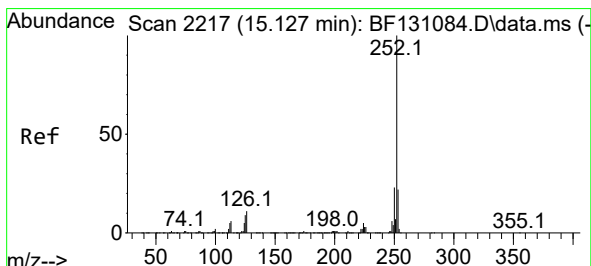
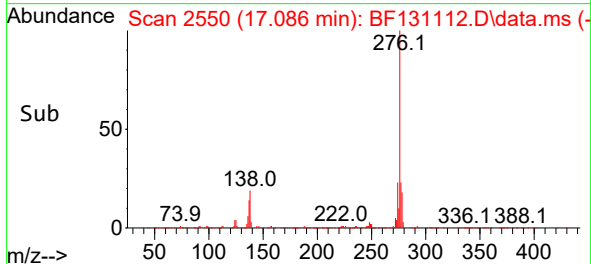
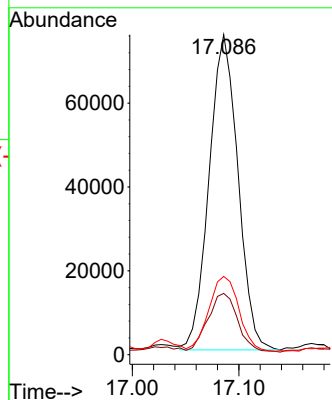
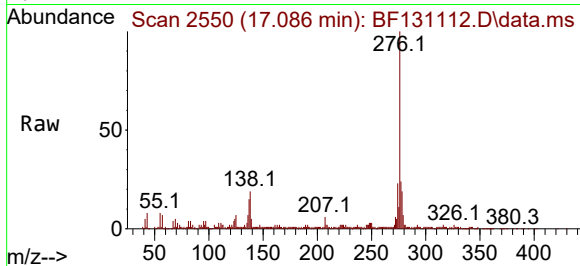




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 13.904 ng
 RT: 17.086 min Scan# 2119
 Delta R.T. -0.000 min
 Lab File: BF131112.D
 Acq: 10 Nov 2022 04:02

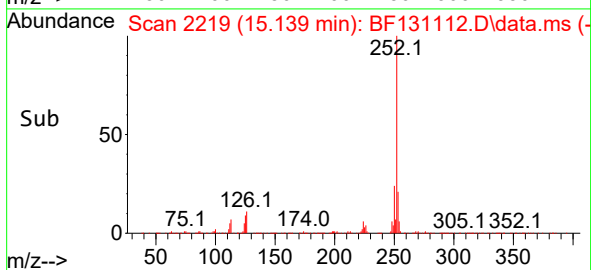
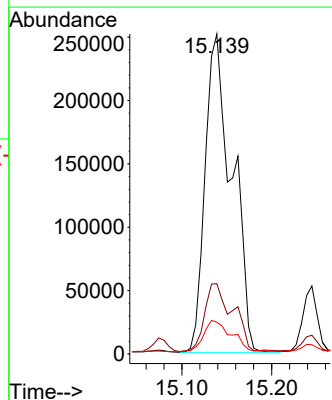
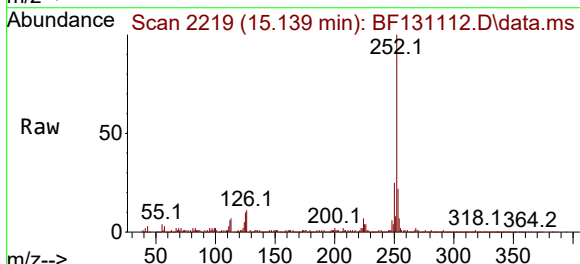
Instrument :
 BNA_F
 ClientSampleId :
 HD-2-110722

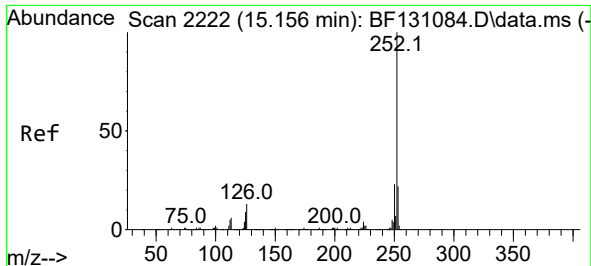
Tgt Ion:276 Resp: 141478
 Ion Ratio Lower Upper
 276 100
 138 19.3 16.9 25.3
 277 24.9 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 46.809 ng
 RT: 15.139 min Scan# 2219
 Delta R.T. 0.012 min
 Lab File: BF131112.D
 Acq: 10 Nov 2022 04:02

Tgt Ion:252 Resp: 524119
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.3 25.9
 125 9.9 7.2 10.8

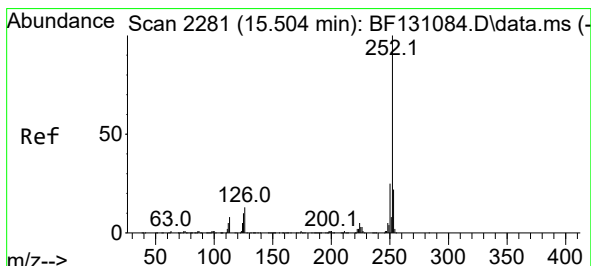
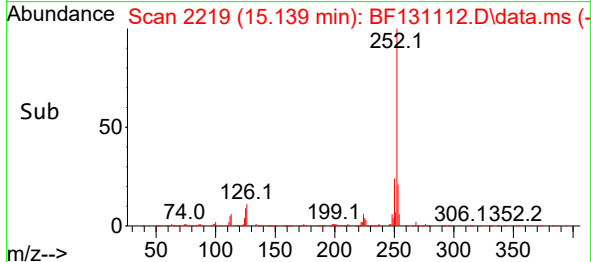
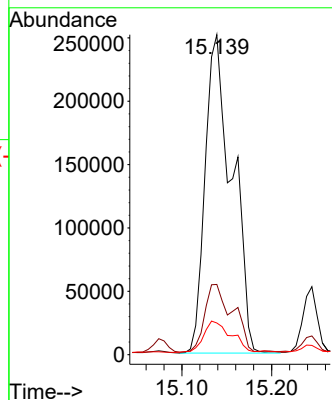
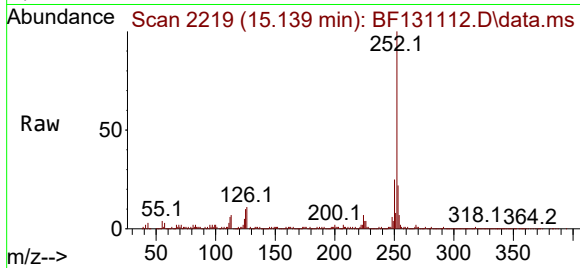




#89
Benzo(k)fluoranthene
Concen: 48.700 ng
RT: 15.139 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

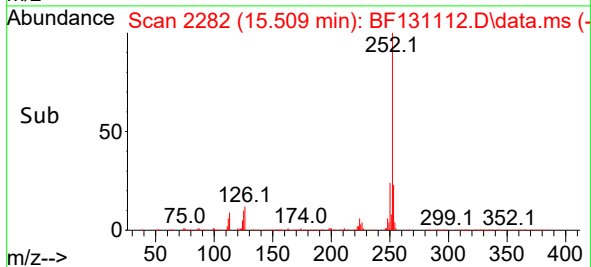
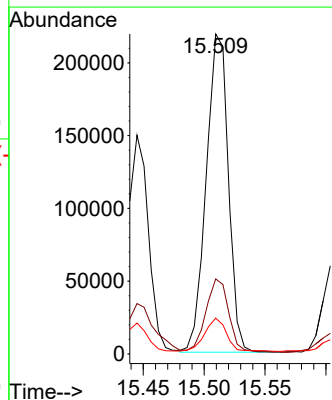
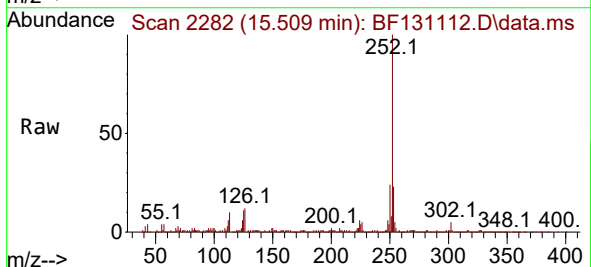
Instrument :
BNA_F
ClientSampleId :
HD-2-110722

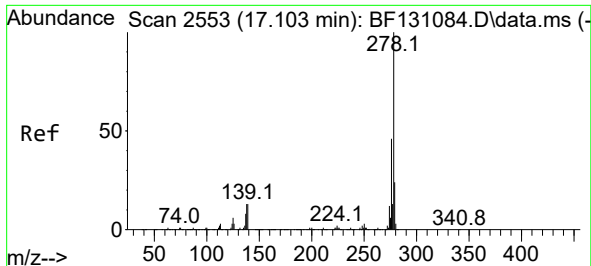
Tgt Ion:252 Resp: 524119
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 9.9 7.5 11.3



#90
Benzo(a)pyrene
Concen: 30.880 ng
RT: 15.509 min Scan# 2282
Delta R.T. 0.005 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Tgt Ion:252 Resp: 277204
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 11.2 8.1 12.1

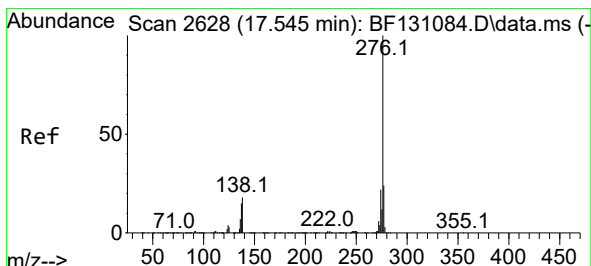
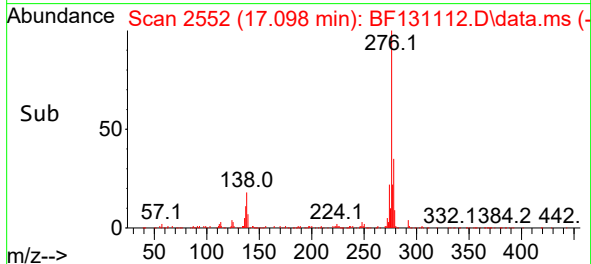
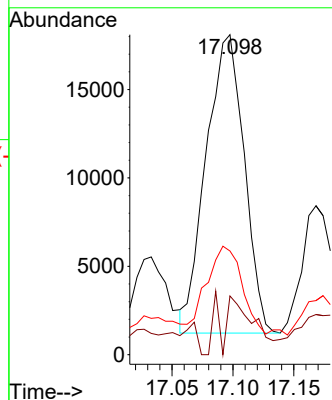
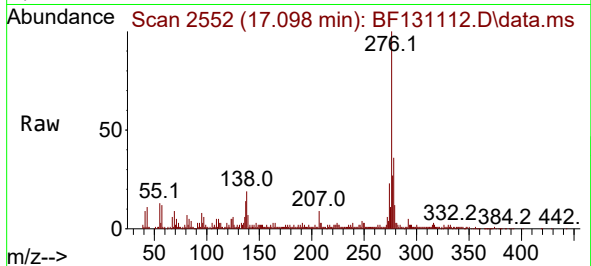




#91
Dibenzo(a,h)anthracene
Concen: 7.058 ng
RT: 17.098 min Scan# 21
Delta R.T. -0.005 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Instrument :
BNA_F
ClientSampleId :
HD-2-110722

Tgt Ion:278 Resp: 36735
Ion Ratio Lower Upper
278 100
139 18.3 10.8 16.2#
279 32.4 19.2 28.8#



#92
Benzo(g,h,i)perylene
Concen: 15.446 ng
RT: 17.551 min Scan# 2629
Delta R.T. 0.006 min
Lab File: BF131112.D
Acq: 10 Nov 2022 04:02

Tgt Ion:276 Resp: 135758
Ion Ratio Lower Upper
276 100
277 23.2 19.0 28.4
138 18.9 14.6 21.8

